



General Assembly

February Session, 2012

**Amendment**

LCO No. 4066

**\*SB0032304066SD0\***

Offered by:

SEN. HARTLEY, 15<sup>th</sup> Dist.

REP. DARGAN, 115<sup>th</sup> Dist.

To: Subst. Senate Bill No. 323

File No. 190

Cal. No. 189

**"AN ACT CONCERNING CRANE OPERATIONS."**

1 Strike everything after the enacting clause and substitute the  
2 following in lieu thereof:

3 "Section 1. Section 29-221 of the general statutes is repealed and the  
4 following is substituted in lieu thereof (*Effective October 1, 2012*):

5 As used in this chapter and section 13 of this act: (1) "Board" means  
6 the Examining Board for Crane Operators established under section  
7 29-222, as amended by this act; (2) "commissioner" means the  
8 Commissioner of Construction Services; (3) "crane" means (A) a tower  
9 crane used in construction, demolition or excavation work, (B) a  
10 hydraulic crane, (C) a power-operated derrick, or (D) a mobile crane  
11 which is a mobile, carrier-mounted, power-operated hoisting machine  
12 utilizing a power-operated boom which moves laterally by rotation of  
13 the machine on the carrier and which has a manufacturers' maximum  
14 rated capacity exceeding five tons; (4) "hoisting equipment" means  
15 motorized equipment (A) used in construction, demolition or

16 excavation work, (B) at a construction site for a project, other than a  
17 project involving residential structures of less than four stories, the  
18 estimated cost of which is more than one million two hundred fifty  
19 thousand dollars, and (C) which has a manufacturer's rated lifting  
20 capacity exceeding five tons and a manufacturer's rated maximum  
21 reach in excess of thirty-two feet; (5) "department" means the  
22 Department of Construction Services; and (6) "apprentice" means  
23 [anyone registered with the board for the purpose of learning crane  
24 operation or hoisting equipment operation] a person who is not  
25 licensed under this chapter, who has filed an application for a license  
26 with the board and whose employer has registered him or her with the  
27 board to learn crane operations or hoisting equipment operations  
28 under the direct supervision of a licensed operator in accordance with  
29 section 13 of this act.

30 Sec. 2. Section 29-221 of the general statutes, as amended by section  
31 1 of this act, is repealed and the following is substituted in lieu thereof  
32 (*Effective October 1, 2014*):

33 As used in this chapter and [section] sections 3 and 13 of this act: (1)  
34 "Board" means the Examining Board for Crane Operators established  
35 under section 29-222, as amended by this act; (2) "commissioner"  
36 means the Commissioner of Construction Services; (3) "crane" means  
37 [(A) a tower crane used in construction, demolition or excavation  
38 work, (B) a hydraulic crane, (C) a power-operated derrick, or (D) a  
39 mobile crane which is a mobile, carrier-mounted, power-operated  
40 hoisting machine utilizing a power-operated boom which moves  
41 laterally by rotation of the machine on the carrier and which has a  
42 manufacturers' maximum rated capacity exceeding five tons] power-  
43 operated equipment that can hoist, lower and horizontally move a  
44 suspended load and which has a manufacturer's maximum rated  
45 hoisting or lifting capacity exceeding two thousand pounds, including,  
46 but not limited to: (A) Articulating cranes such as knuckle-boom  
47 cranes, (B) crawler cranes, (C) floating cranes, (D) cranes on barges, (E)  
48 locomotive cranes, (F) mobile cranes such as wheel-mounted, rough  
49 terrain, all-terrain, commercial truck-mounted and boom truck cranes,

50 (G) multi-purpose machines when configured to hoist and lower, by  
51 means of a winch or hook, and horizontally move a suspended load,  
52 (H) industrial cranes such as carry-deck cranes, (I) dedicated pile  
53 drivers when used in construction, demolition or excavation work, (J)  
54 service or mechanic trucks with a hoisting device, (K) cranes on  
55 monorails, (L) tower cranes such as fixed jib hammerhead boom,  
56 luffing boom and self-erecting, (M) pedestal cranes, (N) portal cranes,  
57 (O) overhead and gantry cranes, (P) straddle cranes, (Q) side boom  
58 cranes, (R) derricks, and (S) variations of such equipment; (4) "hoisting  
59 equipment", other than cranes, means motorized equipment (A) used  
60 in construction, demolition or excavation work, (B) at a construction  
61 site for a project, other than a project involving residential structures of  
62 less than four stories, the estimated cost of which is more than one  
63 million two hundred fifty thousand dollars, and (C) which has a  
64 manufacturer's rated hoisting or lifting capacity exceeding five tons  
65 and a manufacturer's rated maximum reach in excess of thirty-two  
66 feet; (5) "department" means the Department of Construction Services;  
67 and (6) "apprentice" means a person who is not licensed under this  
68 chapter, who has filed an application for a license with the board and  
69 whose employer has registered him or her with the board to learn  
70 crane operations or hoisting equipment operations under the direct  
71 supervision of a licensed operator in accordance with section 13 of this  
72 act.

73       Sec. 3. (NEW) (*Effective October 1, 2014*) (a) Notwithstanding  
74 subdivisions (3) and (4) of section 29-221 of the general statutes, as  
75 amended by section 2 of this act, the following items are excluded from  
76 the scope of chapter 539 of the general statutes: (1) Machinery included  
77 in subdivisions (3) and (4) of section 29-221 of the general statutes, as  
78 amended by section 2 of this act, while it has been converted or  
79 adapted for a nonhoisting or nonlifting use, including power shovels,  
80 excavators and concrete pumps, (2) power shovels, excavators, wheel  
81 loaders, backhoes, loader backhoes and track loaders, including when  
82 this machinery is used with chains, slings or other rigging to lift  
83 suspended loads, (3) automotive wreckers and tow trucks including

84 rotators registered as wreckers and operated by a person, firm or  
85 corporation licensed as a motor vehicle dealer or repairer in  
86 accordance with the provisions of subpart (D) of part III of chapter 246  
87 of the general statutes when used in such licensed business, whose  
88 functions may include consensual or nonconsensual vehicle recovery  
89 and load transfer and consensual or nonconsensual towing and  
90 transportation of wrecked or disabled vehicles from the point at which  
91 the accident occurred or the vehicle became disabled, (4) digger  
92 derricks when used for augering holes for poles carrying electric and  
93 telecommunication lines, placing and removing the poles and handling  
94 associated materials to be installed on or removed from the poles, (5)  
95 machinery originally designed as vehicle-mounted aerial devices for  
96 lifting personnel and self-propelled elevating work platforms, (6)  
97 telescopic or hydraulic gantry systems, (7) stacker cranes, (8) powered  
98 industrial forklifts, except when configured to hoist and lower, by  
99 means of a winch or hook, and horizontally move a suspended load,  
100 (9) mechanic trucks with a hoisting device when used in activities  
101 related to equipment maintenance and repair, (10) machinery that  
102 hoists by using a come-a-long or chain fall, (11) gin poles when used  
103 for the erection of communication towers, (12) anchor handling or  
104 dredge-related operations with a vessel or barge using an affixed A-  
105 frame, (13) roustabouts, (14) helicopter cranes, (15) propane service  
106 vehicles that are equipped with a crane to load or offload Department  
107 of Transportation (DOT) approved propane tanks or American Society  
108 of Mechanical Engineers (ASME) approved propane tanks having a  
109 capacity of two thousand gallons or less, and (16) overhead and gantry  
110 cranes when used for non-construction-related work.

111 (b) Articulating or knuckle-boom truck cranes that deliver material  
112 to a construction site are excluded from the scope of chapter 539 of the  
113 general statutes when used to (1) transfer materials from the truck  
114 crane to the ground without arranging the materials in a particular  
115 sequence for hoisting, or (2) transfer building supply sheet goods or  
116 building supply packaged materials including, but not limited to,  
117 sheets of sheetrock, sheets of plywood, bags of cement, sheets or

118 packages of roofing shingles and rolls of roofing felt from the truck  
119 crane onto a structure, using a fork or cradle at the end of the boom,  
120 but only when the truck crane is equipped with a properly functioning  
121 automatic overload prevention device.

122 (c) The exclusion set forth in subsection (b) of this section does not  
123 apply when (1) the articulating or knuckle-boom crane is used to hold,  
124 support or stabilize the material to facilitate a construction activity,  
125 such as holding material in place while it is attached to the structure,  
126 (2) the material being handled by the articulating or knuckle-boom  
127 crane is a prefabricated component including, but not limited to,  
128 precast concrete members or panels, roof trusses, prefabricated  
129 building sections such as floor panels, wall panels, roof panels, roof  
130 structures or similar items, (3) the material being handled by the crane  
131 is a structural steel member such as joists, beams, columns and steel  
132 decking or a component of a systems-engineered metal building, or (4)  
133 the activity is not otherwise excluded under subsection (b) of this  
134 section.

135 Sec. 4. Section 29-222 of the general statutes is repealed and the  
136 following is substituted in lieu thereof (*Effective October 1, 2012*):

137 There shall be in the Department of Construction Services an  
138 Examining Board for Crane Operators consisting of five members who  
139 shall be residents of this state. Members shall be appointed by the  
140 Governor subject to the provisions of section 4-9a. One member shall  
141 be an employee of the department, one member shall be a crane  
142 operator having at least ten years of experience, one member shall  
143 represent the interests of crane owners and two members shall be  
144 public members. Members shall not be compensated for their services  
145 but shall be reimbursed for necessary expenses in the performance of  
146 their duties. A quorum of the board for the purpose of transacting  
147 business shall exist only when there is present, in person, a majority of  
148 its membership. Any member absent from (1) three consecutive  
149 meetings of the board, or (2) fifty per cent of such meetings during any  
150 calendar year shall be deemed to have resigned from the board.

151 Sec. 5. Section 29-223 of the general statutes is repealed and the  
152 following is substituted in lieu thereof (*Effective October 1, 2012*):

153 (a) The board shall keep a record of its proceedings and a roster of  
154 persons licensed or registered by it. The commissioner shall, with the  
155 advice and assistance of the board, adopt regulations, in accordance  
156 with chapter 54, for crane operators and hoisting equipment operators,  
157 specifying qualifications for applicants for licensure, requirements for  
158 examinations, procedures for issuance and renewal of licenses and  
159 certificates of registration and examination and application fees  
160 sufficient to meet the costs of administration of this chapter. The board  
161 shall administer and establish passing grades for licensure  
162 examinations. The board shall hold examinations at times and  
163 locations determined by the board and shall give written notice to  
164 applicants for examination of the time and place of examinations.  
165 Examinations may be written or practical or both.

166 (b) Prior to October 1, 2014, the commissioner may, with the advice  
167 and assistance of the board, develop and implement written and  
168 practical examinations for, and issue licenses to, operators of cranes as  
169 defined in section 29-221, as amended by section 2 of this act, including  
170 cranes which have a manufacturer's rated hoisting or lifting capacity  
171 exceeding two thousand pounds but not exceeding ten thousand  
172 pounds. The provisions of this subsection shall not be construed to  
173 eliminate the licensure requirements in effect prior to October 1, 2014,  
174 for operators of cranes or hoisting equipment, as those terms are  
175 defined in section 29-221, as amended by section 1 of this act.

176 ~~[(b)]~~ (c) The board shall adopt regulations, in accordance with the  
177 provisions of chapter 54, establishing a safety code for the operation  
178 and maintenance of cranes and hoisting equipment.

179 Sec. 6. Section 29-223 of the general statutes, as amended by section  
180 5 of this act, is repealed and the following is substituted in lieu thereof  
181 (*Effective October 1, 2014*):

182 (a) The board shall keep a record of its proceedings and a roster of

183 persons licensed or registered by it. The commissioner shall, with the  
184 advice and assistance of the board, adopt regulations, in accordance  
185 with chapter 54, for crane operators and hoisting equipment operators,  
186 specifying qualifications for applicants for licensure, requirements for  
187 examinations, procedures for issuance and renewal of licenses and  
188 certificates of registration and examination and application fees  
189 sufficient to meet the costs of administration of this chapter. The board  
190 shall administer and establish passing grades for licensure  
191 examinations. The board shall hold examinations at times and  
192 locations determined by the board and shall give written notice to  
193 applicants for examination of the time and place of examinations.  
194 [Examinations may be written or practical or both.] An applicant for a  
195 license shall be required to take both a written and practical  
196 examination.

197 (b) The written examination shall determine whether the applicant  
198 (1) knows the information necessary for the safe operation of the  
199 specific type of crane or hoisting equipment that the applicant will  
200 operate including (A) the controls and operational or performance  
201 characteristics, (B) use of, and the ability to calculate, manually or with  
202 a calculator, load or capacity information on a variety of configurations  
203 of the equipment, (C) procedures for preventing and responding to  
204 power line contact, (D) technical knowledge applicable to the specific  
205 type of equipment the individual will operate concerning (i) site  
206 information, (ii) operations, and (iii) load information, and (E)  
207 technical knowledge applicable to site suitability, site hazards and site  
208 access, and (2) is able to read and locate relevant information in the  
209 equipment manual and other materials containing information  
210 referred to in subdivision (1) of this subsection.

211 (c) The practical examination shall determine whether the applicant  
212 has the skills necessary for safe operation of the crane or hoisting  
213 equipment including (1) the ability to recognize, from visual and  
214 auditory observation, all items required in a shift inspection, (2)  
215 operational and maneuvering skills, (3) application of load chart  
216 information, and (4) application of safe shutdown and securing

217 procedures.

218 (d) Any license, or renewal thereof, issued pursuant to this section  
219 shall be valid for a period of two years from the date of issuance. Every  
220 four years the licensee shall take and pass, prior to the issuance of a  
221 license renewal, an examination developed by the board that is  
222 designed to ensure that the licensee continues to meet the technical  
223 knowledge and skills requirements set forth in subsections (b) and (c)  
224 of this section.

225 ~~[(b)]~~ (e) Prior to October 1, 2014, the commissioner may, with the  
226 advice and assistance of the board, develop and implement written  
227 and practical examinations for, and issue licenses to, operators of  
228 cranes as defined in section 29-221, as amended by section 2 of this act,  
229 including cranes which have a manufacturer's rated hoisting or lifting  
230 capacity exceeding two thousand pounds but not exceeding ten  
231 thousand pounds. The provisions of this subsection shall not be  
232 construed to eliminate the licensure requirements in effect prior to  
233 October 1, 2014, for operators of cranes or hoisting equipment, as those  
234 terms are defined in section 29-221, as amended by section 1 of this act.

235 ~~[(c)]~~ (f) The board shall adopt regulations, in accordance with the  
236 provisions of chapter 54, establishing a safety code for the operation  
237 and maintenance of cranes and hoisting equipment.

238 Sec. 7. Section 29-223a of the general statutes is repealed and the  
239 following is substituted in lieu thereof (*Effective October 1, 2012*):

240 (a) No person shall engage in, practice or offer to perform the work  
241 of a hoisting equipment operator, except as provided in subsection (b)  
242 [or (c)] of this section, who is not the holder of a valid crane operator's  
243 license or hoisting equipment operator's license issued by the board.  
244 Each licensed hoisting equipment operator shall carry his or her license  
245 on his or her person when operating hoisting equipment. No person  
246 may engage in, practice or perform the work of a hoisting equipment  
247 operator apprentice unless he or she has obtained a certificate of  
248 registration from the board. An apprentice's certificate may be issued



249 for the performance of work of a hoisting equipment operator for the  
250 purpose of training, [which] provided such work may be performed  
251 only under the direct supervision of a licensed hoisting equipment  
252 operator and is in compliance with the provisions of section 13 of this  
253 act.

254 (b) The provisions of this section shall not apply to: (1) Any person  
255 engaged in the occupation of hoisting equipment operator in the state  
256 on October 1, 2003, provided such person shall be required to obtain a  
257 license not later than one year of October 1, 2004, (2) engineers under  
258 the jurisdiction of the United States, (3) engineers or operators  
259 employed by public utilities or industrial manufacturing plants, (4)  
260 any person operating either a bucket truck or a digger derrick  
261 designed and used for an electrical generation, electrical transmission,  
262 electrical distribution, electrical catenary or electrical signalization  
263 project, if such person: (A) Holds a valid limited electrical line  
264 contractor or journeyman's license issued pursuant to chapter 393 or  
265 any regulation adopted pursuant to said chapter, or (B) has engaged in  
266 the installation of electrical line work for more than one thousand  
267 hours, or (C) has enrolled in or has graduated from a federally  
268 recognized electrical apprenticeship program, or (5) persons engaged  
269 in boating, fishing, agriculture or arboriculture.

270 [(c) On or after October 1, 2003, but not later than October 1, 2005,  
271 the board shall issue a license for a hoisting equipment operator to any  
272 person who provides a notarized statement from the person's  
273 employer indicating the dates and duties of employment operating  
274 such equipment or proof of ownership and control of a company  
275 utilizing such equipment.]

276 Sec. 8. Section 29-223a of the general statutes, as amended by section  
277 7 of this act, is repealed and the following is substituted in lieu thereof  
278 (*Effective October 1, 2014*):

279 (a) No person shall engage in, practice or offer to perform the work  
280 of a hoisting equipment operator, except as provided in subsection (b)

281 of this section, who is not the holder of a valid crane operator's license  
282 or hoisting equipment operator's license issued by the board. Each  
283 licensed hoisting equipment operator shall carry his or her license on  
284 his or her person when operating hoisting equipment. No person may  
285 engage in, practice or perform the work of a hoisting equipment  
286 operator apprentice unless he or she has obtained a certificate of  
287 registration from the board. An apprentice's certificate may be issued  
288 for the performance of work of a hoisting equipment operator for the  
289 purpose of training, provided such work may be performed only  
290 under the direct supervision of a licensed hoisting equipment operator  
291 and is in compliance with the provisions of section 13 of this act.

292 (b) The provisions of this section shall not apply to: (1) [Any person  
293 engaged in the occupation of hoisting equipment operator in the state  
294 on October 1, 2003, provided such person shall be required to obtain a  
295 license not later than one year of October 1, 2004, (2) engineers]  
296 Engineers under the jurisdiction of the United States, [(3)] (2) engineers  
297 or operators employed by public utilities or industrial manufacturing  
298 plants, [(4)] (3) any person operating either a bucket truck or a digger  
299 derrick designed and used for an electrical generation, electrical  
300 transmission, electrical distribution, electrical catenary or electrical  
301 signalization project, if such person: (A) Holds a valid limited electrical  
302 line contractor or journeyman's license issued pursuant to chapter 393  
303 or any regulation adopted pursuant to said chapter, or (B) has engaged  
304 in the installation of electrical line work for more than one thousand  
305 hours, or (C) has enrolled in or has graduated from a federally  
306 recognized electrical apprenticeship program, [or (5)] (4) persons  
307 engaged in [boating, fishing,] the recreational boating or fishing  
308 industry, except when engaged in construction-related work, or in  
309 agriculture or arboriculture, or (5) persons engaged in activities, or  
310 using equipment, excluded under section 3 of this act.

311 Sec. 9. Section 29-224 of the general statutes is repealed and the  
312 following is substituted in lieu thereof (*Effective October 1, 2012*):

313 (a) No person shall engage in, practice or offer to perform the work

314 of a crane operator, except as provided in subsection (b) of this section,  
315 who is not the holder of a valid license issued by the board. Each  
316 licensed crane operator shall carry his or her license on his or her  
317 person when operating a crane. No person may engage in, practice or  
318 perform the work of a crane operator apprentice unless he or she has  
319 obtained a certificate of registration from the board. An apprentice's  
320 certificate may be issued for the performance of work of a crane  
321 operator for the purpose of training, [which] provided such work may  
322 be performed only under the direct supervision of a licensed crane  
323 operator and is in compliance with the provisions of section 13 of this  
324 act. No crane owner may operate or permit the operation of any of his  
325 or her cranes in this state unless he or she has obtained a certificate of  
326 registration from the board. Nothing in this subsection shall be  
327 construed to require a hoisting equipment owner to obtain a certificate  
328 of registration from the board.

329 (b) The provisions of subsection (a) of this section shall not apply to:  
330 (1) Any person engaged in the occupation of crane operator in the state  
331 on October 1, 1981, provided such person shall be required to obtain a  
332 license within one year of October 1, 1981, (2) engineers under the  
333 jurisdiction of the United States, (3) engineers or operators employed  
334 by public utilities or industrial manufacturing plants, (4) any person  
335 operating either a bucket truck or a digger derrick designed and used  
336 for an electrical generation, electrical transmission, electrical  
337 distribution, electrical catenary or electrical signalization project, if  
338 such person: (A) Holds a valid limited electrical line contractor or  
339 journeyman's license issued pursuant to chapter 393 or any regulation  
340 adopted pursuant to said chapter, or (B) has engaged in the installation  
341 of electrical line work for more than one thousand hours, or (C) has  
342 enrolled in or has graduated from a federally recognized electrical  
343 apprenticeship program, or (5) persons engaged in boating, fishing,  
344 agriculture or arboriculture.

345 Sec. 10. Section 29-224 of the general statutes, as amended by section  
346 9 of this act, is repealed and the following is substituted in lieu thereof  
347 (*Effective October 1, 2014*):

348 (a) No person shall engage in, practice or offer to perform the work  
349 of a crane operator, except as provided in subsection (b) of this section,  
350 who is not the holder of a valid license issued by the board. Each  
351 licensed crane operator shall carry his or her license on his or her  
352 person when operating a crane. No person may engage in, practice or  
353 perform the work of a crane operator apprentice unless he or she has  
354 obtained a certificate of registration from the board. An apprentice's  
355 certificate may be issued for the performance of work of a crane  
356 operator for the purpose of training, provided such work may be  
357 performed only under the direct supervision of a licensed crane  
358 operator and is in compliance with the provisions of section 13 of this  
359 act. No crane owner may operate or permit the operation of any of his  
360 or her cranes in this state unless he or she has obtained a certificate of  
361 registration from the board. Nothing in this subsection shall be  
362 construed to require a hoisting equipment owner to obtain a certificate  
363 of registration from the board.

364 (b) The provisions of subsection (a) of this section shall not apply to:  
365 (1) [Any person engaged in the occupation of crane operator in the  
366 state on October 1, 1981, provided such person shall be required to  
367 obtain a license within one year of October 1, 1981, (2) engineers]  
368 Engineers under the jurisdiction of the United States, [(3)] (2) engineers  
369 or operators employed by public utilities or industrial manufacturing  
370 plants, [(4)] (3) any person operating either a bucket truck or a digger  
371 derrick designed and used for an electrical generation, electrical  
372 transmission, electrical distribution, electrical catenary or electrical  
373 signalization project, if such person: (A) Holds a valid limited electrical  
374 line contractor or journeyman's license issued pursuant to chapter 393  
375 or any regulation adopted pursuant to said chapter, or (B) has engaged  
376 in the installation of electrical line work for more than one thousand  
377 hours, or (C) has enrolled in or has graduated from a federally  
378 recognized electrical apprenticeship program, [or (5)] (4) persons  
379 engaged in [boating, fishing,] the recreational boating or fishing  
380 industry, except when engaged in construction-related work, or in  
381 agriculture or arboriculture, (5) persons engaged in activities, or using

382 equipment, excluded under section 3 of this act, or (6) persons  
383 operating equipment, except a tower crane, that can hoist, lower and  
384 horizontally move a suspended load and has a manufacturer's  
385 maximum rated hoisting or lifting capacity exceeding two thousand  
386 pounds but not exceeding ten thousand pounds who, pursuant to  
387 federal Occupational Safety and Health Administration Standard  
388 1926.1427, are (A) certified by an accredited crane operator testing  
389 organization, (B) qualified by an audited employer program, (C)  
390 qualified by the United States Military, or (D) licensed pursuant to this  
391 chapter.

392       Sec. 11. Section 29-224a of the general statutes is repealed and the  
393 following is substituted in lieu thereof (*Effective October 1, 2012*):

394       Each crane or hoisting equipment owner or operator shall  
395 immediately report any accident involving a crane or hoisting  
396 equipment he or she owns or operates to the board. Upon receipt of  
397 any such report, the board may cause a full investigation and  
398 inspection of such crane or hoisting equipment to determine the cause  
399 of the accident and may take any action it deems appropriate if, after  
400 notice and opportunity for hearing, it determines that a violation of  
401 any provision of this chapter or any regulations adopted thereunder  
402 exists.

403       Sec. 12. Section 29-224b of the general statutes is repealed and the  
404 following is substituted in lieu thereof (*Effective October 1, 2012*):

405       The commissioner or any employee of the Department of  
406 Construction Services, while engaged in the performance of his or her  
407 duties, may enter at all reasonable hours into and upon any premises  
408 in or on which a crane or hoisting equipment is located for the purpose  
409 of carrying out the provisions of this chapter and the regulations  
410 adopted thereunder.

411       Sec. 13. (NEW) (*Effective October 1, 2012*) (a) An apprentice shall be  
412 permitted to operate a crane or hoisting equipment only where the  
413 requirements of this section are met.

414 (b) The employer shall provide each apprentice with sufficient  
415 training prior to operating the equipment to enable the apprentice to  
416 operate the equipment safely under the limitations established by this  
417 section, including continuous monitoring, and any additional  
418 limitations established by the employer.

419 (c) The tasks performed by the apprentice while operating the  
420 equipment shall be within the apprentice's ability.

421 (d) While operating the equipment, the apprentice shall be  
422 continuously monitored by an individual who: (1) Is employed by, or  
423 is an agent of, the apprentice's employer, (2) holds a valid crane  
424 operator's or hoisting equipment license issued under chapter 539 of  
425 the general statutes, (3) while monitoring the apprentice, performs no  
426 tasks that detract from such individual's ability to monitor the  
427 apprentice, (4) for equipment other than tower cranes, is in direct line  
428 of sight of the apprentice and communicates orally or by hand signals  
429 with the apprentice, and (5) for tower cranes, is in direct  
430 communication with the apprentice.

431 (e) The individual monitoring the apprentice may take short breaks  
432 provided (1) the break lasts no more than fifteen minutes and there is  
433 no more than one break per hour, (2) prior to the break, the individual  
434 informs the apprentice of the specific tasks the apprentice is to perform  
435 and limitations to which the apprentice must adhere, and (3) the  
436 specific tasks are within the apprentice's abilities.

437 (f) An apprentice shall not operate equipment in any of the  
438 following circumstances: (1) If any part of the equipment, load line or  
439 load, including rigging and lifting accessories, if operated up to the  
440 equipment's maximum working radius, could get within twenty feet of  
441 a power line that is three hundred fifty kilovolts or less or within fifty  
442 feet of a power line that is over three hundred fifty kilovolts, (2) if the  
443 equipment is used to hoist personnel, (3) in multiple equipment lifts,  
444 (4) if the equipment is used over a shaft or cofferdam or in a tank farm,  
445 and (5) in multiple-lift rigging operations, except where the individual

446 monitoring the apprentice determines that the apprentice's skills are  
447 sufficient.

448 Sec. 14. Section 29-225 of the general statutes is repealed and the  
449 following is substituted in lieu thereof (*Effective October 1, 2012*):

450 (a) The board may suspend or revoke a crane operator's license, a  
451 hoisting equipment operator's license or an apprentice's certificate  
452 after notice and hearing upon a finding that the holder has  
453 demonstrated incompetence or has been guilty of negligence in the  
454 performance of his or her work.

455 (b) The board may suspend or revoke a crane owner's registration  
456 after notice and hearing upon a finding that the holder has failed to  
457 properly maintain his or her crane or has permitted the operation of  
458 his or her crane in an unsafe manner.

459 (c) The board may impose a civil penalty of not more than [one]  
460 three thousand dollars on any crane or hoisting equipment owner or  
461 operator who violates any provision of this chapter or any regulations  
462 adopted thereunder.

463 (d) The board shall not renew a license or registration of any crane  
464 or hoisting equipment owner or operator who has an unpaid civil  
465 penalty until such time as such penalty is paid in full."

This act shall take effect as follows and shall amend the following sections:		
Section 1	<i>October 1, 2012</i>	29-221
Sec. 2	<i>October 1, 2014</i>	29-221
Sec. 3	<i>October 1, 2014</i>	New section
Sec. 4	<i>October 1, 2012</i>	29-222
Sec. 5	<i>October 1, 2012</i>	29-223
Sec. 6	<i>October 1, 2014</i>	29-223
Sec. 7	<i>October 1, 2012</i>	29-223a
Sec. 8	<i>October 1, 2014</i>	29-223a
Sec. 9	<i>October 1, 2012</i>	29-224
Sec. 10	<i>October 1, 2014</i>	29-224

Sec. 11	<i>October 1, 2012</i>	29-224a
Sec. 12	<i>October 1, 2012</i>	29-224b
Sec. 13	<i>October 1, 2012</i>	New section
Sec. 14	<i>October 1, 2012</i>	29-225